GRUN-B03533

TV COLOR TELEVISION

P 40-440/1 GB

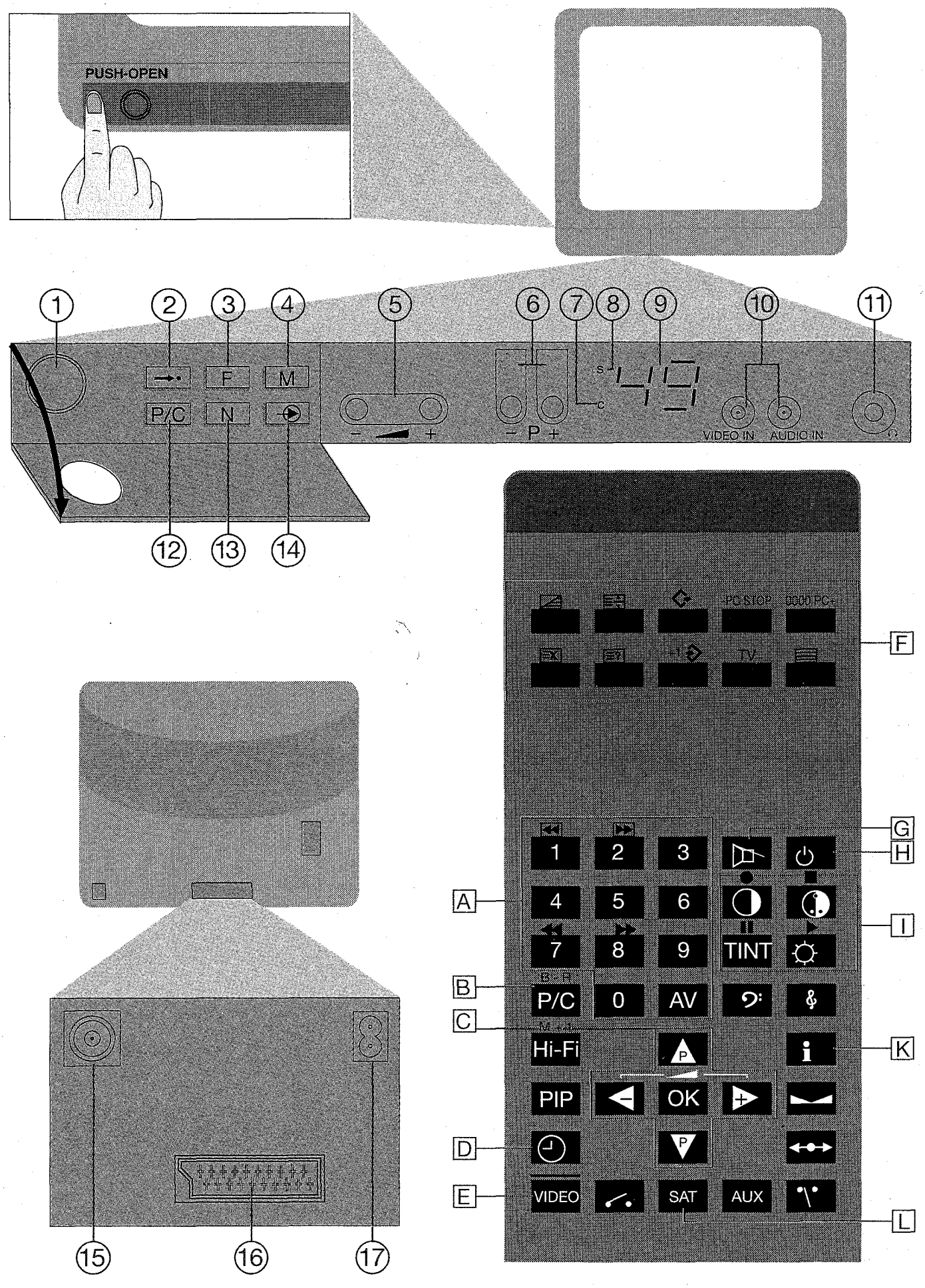
P 45-440/1 GB

GRUNDIG

B3533

This instruction booklet is divided into two sections. The **first** pages describe exclusively the operation of the set.
From **page 6** on, you will be informed about different basic adjustments which will be required when setting up the set for the first time or when reception conditions have changed (eg: when changing the place of residence or when the set is connected to a cable system at a later date). This initial setting up will normally be done by your specialized dealer. If you wish to carry out these adjustments by your own, please first read the second section of these operating instructions.

Mains Supply
The receiver is designed to operate from a mains supply of 240 V AC. We recommend that a 13 amp 3-pin plug fitted with 3 amp fuse be used. The brown lead must be connected to the live pin (marked "L" or "brown" or "red") and the blue lead to the neutral pin (marked "N" or "blue" or "black"). On no account should either wire be connected to the earth pin (marked "E" or "green¡yellow"). If other mains plugs are used, ensure that they are protected by a 5 amp fuse.


PUSH-OPEN
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16
17

Control Buttons and Connecting Sockets on the TV Set...

Explanation of symbols:
Figures in circles ○ = buttons and connections on the TV set

① Mains switch
(automatically selects station position 1)

② Preset button for automatic station search

③ Preset button for fine tuning the picture

④ Memory button

⑤ Button for changing the volume
"–" = softer
"+" = louder

⑥ Station position selection
"–" = ... 3,2,1
«+« = 1,2,3 ...

⑦ Indication C (channel) when tuning to channels.

⑧ Indication S (special channel) when tuning to special channels

⑨ Indication of station position

⑩ Connections for camera recorder/video recorder with phono sockets, for playback.

⑪ Connection for headphone

⑫ Preset button for station (programme), channel (indication C), and special channel (indication S).

⑬ Preset button for adjusting the TV standards (no function on this set).

⑭ Preset button for assigning a programme position to units connected to the EURO-AV socket.

⑮ Aerial connection

⑯ Euro-AV socket for video recorders, computers, tele-games, etc.

⑰ Mains connection

The Buttons of the Remote Control Handset

Explanation of symbols:
Letters in rectangle □ = buttons on the remote control handset
Figures in circle ○ = buttons and connections on the TV set.

[A] Station position selection (1,2,3...0/AV) and **switching on** the unit from "standby" (see [H])

[B] Switching between station and channel selection (also special channels)

[C] Group of buttons
- P▲ station position selection (1, 2, 3...)
- P▼ station position selection (...3, 2, 1)
- ◀ lower volume
- ▶ higher volume
- **OK** back to basic adjustment (the basic adjustment is the optimum adjustment made in the factory).

[D] Clock time indication

[E] Remote control of a video recorder; see operating instructions of the video recorder.

[F] Teletext (FASTEXT) operation

[G] Sound on/off (Muting)

[H] Switching to standby
For pauses during watching TV, you can switch the TV set to standby with this button.
The display will show a horizontal line. Approx. 10 minutes after the end of a transmission or when the transmission is interrupted, the TV set **automatically** switches to standby.
To switch the TV set on again, use one of the station selection buttons [A].

[I] Preselect buttons for correcting the picture adjustments; first **preselect** the function the setting of which you wish to change...
- ◑ = black/white contrast;
- ◕ = colour contrast;
- ☼ = brightness;
- **TINT** = tint correction on NTSC reception (USA standard, only with Multisystem units);

– a dot will flash for about 4 seconds in the display ⑨;
...during this time press button ◀ or ▶ – until the desired result is obtained.

[K] Contents page ("info" page)

[L] **Remote Control of Satelitte Receiver** see operating instructions for "SAT" receiver

- [D], [F], and [K] only with built-in Teletext decoder and during Teletext broadcasts.
- The buttons without letters □ have no function on this set.

Operation with the Controls on the TV Set

Tuning to TV Stations

TV stations transmit television programmes on different channels, eg: the first programme on channel 6.

The following adjustments are required only when **setting up the set for the first time** or when the **reception conditions have changed** (eg: when changing the place of residence or after the set has been connected to a cable system).

The TV set is provided with 49 station positions which can be assigned different stations.

In addition, an AV programme position is provided for playback from a video recorder.

TV stations can be assigned to TV station positions

- **by directly entering the respective channel number**

or

- **with the help of the station (channel) search system.**

Assignment of stations to the station positions by directly entering the channel number

Find out, on which channels the first, second, third and any other programmes are broadcasted in your area (ask your dealer or the house supervisor).

Example:
The second programme is broadcasted on channel 34 and you wish to assign this programme to station position 2.

- **Selecting station position 2 on the TV set**
  - Press button ⑥ until the display ⑨ shows **2**.
- **Switching the TV set to channel mode**
  - Press button ⑫.
    The display shows **C** (⑦) for channel and a random number.
    If you whish to enter a special channel, press button ⑫ until the display shows **S** (⑧) for special channel.
- **Entering the channel number**
  - Press button ⑥ until the display shows **34**.
- **Storing the channel number**
  - Press button ④.
- **Assigning further station positions**
  - Select the next desired station position with button ⑥, switch to channel mode, and enter and store the channel number as described above.

Operation with the Controls on the TV Set

Tuning to TV Stations

Assigning stations to the station positions by using the station search system

This tuning mode is recommended if you are unable to find out on which channel numbers the individual programmes are transmitted.

Example:
You wish to assign the programme of the TV station RTL to station position 5.

- **Selecting station position 5**

– Press button ⑥ (– or +) until the display ⑨ shows **5**.

- **Switching the TV set to channel mode**

– Press button ⑫.
The display shows **C** (⑦) for channel and a random number.

- **Selecting the station search mode**

– Press button ②.

- **Starting the station search**

– Press button ⑥;
"+" to search in upward direction, "–" to search in downward direction.
The station search stops at each station received.
If this station is not the desired one, start the station search again until the desired station is found.
Your TV set searches the TV channels from channel 00 to channel 99 and then the special channels (an **S** appears in front of the channel number) from S01 to S41.

- **Storing the channel number (programme)**

– Press button ④.
The display ⑨ shows the figure **5**.

Following this example, you can assign all programmes "found" by the station search on the various channels to the station positions of the TV receiver.

If you require only the station positions **1** to **9** as **not more** programmes are broadcasted in your local area, you may "restrict" selection of the station positions. For this, proceed as follows:

- Switch on TV set with mains switch ①.
- Open the control compartment of the TV set.
- Press and hold down button ④ on the control panel of the TV set and simultaneously press the mains switch ①.

– You now can select **only** the station positions **1** to **9**.
– If you wish to select all **49** station positions again at a later date, repeat the procedure.

Fine-tuning the picture

The TV set will automatically tune to optimum picture sharpness. On difficult reception conditions it may however occasionally be necessery to alter the setting of the picture sharpness.

- **Selecting the fine-tuning mode**

– Press button ⑫ until the display shows **S** (⑧) or **C** (⑦).
– Press button ③.

- **Altering the picture sharpness**

– Tune to maximum possible picture sharpness with the buttons ⑥.

- **Storing the corrected tuning point**

– Press button ④.

Settings possible with the Remote Control

Tuning to stations with the remote control

Station programming (assigning TV programmes to station positions) as described on pages 6 and 7 can also be performed with the remote control...

– **by directly entering the channel numbers**

Example:
The third programme is broadcasted on channel 59 and you wish to assign it to station position 3.

- **Selecting station position 3 with the remote control**

– Press button 3 of the group of buttons [A].

- **Selecting the channel mode with the remote control**

– Press button [B].
The display shows **C** (⑦) for channel and a random number.

- **Entering channel 59**

– Press buttons 5 and 9 of the group of buttons [A] on the remote control.

- **Storing the entered channel number**

– Press button **–PC STOP** [F].
The channel number will flash for about 4 seconds.
– Within this time, press button **OK** of the group of buttons [C].

– **with the station search system**

Example:
SAT 1 can be received on one of the special channels (S1-S41).
You wish to assign the programme of this TV station to station position 6.

- **Selecting the station position 6 with the remote control**

– Press button **6** of the group of buttons [A].

- **Selecting the channel mode with the remote control**

– Press button [B] until the display shows **S** (⑧) for special channel.

- **Starting the station search with the remote control**

– Press button ▼ or ▲ of the group of buttons [C] to start the search in downward = ▼ or in upward direction = ▲.
The station search stops at each station which can be received. If the found station is not the desired one, start the station search again until the desired station is found.

- **Storing the channel number of SAT 1**

– Press button **–PC STOP** [F] and then button **OK** of the group of buttons [C].
The display will show **6** for the selected station position.

Operation with the Controls on the TV Set

Assigning a station position to a unit connected to the Euro-AV socket

Each station position can be "reserved" for video reproduction from a unit (eg: video recorder) which has its switching voltage applied at PIN 8.

Example:
You are receiving till today three television programmes and now wish to assign station position 4 to your video recorder.

- **Selecting station position 4**
- Press button ⑥ until the display ⑨ shows **4**.
- **Activating reservation of the station position**
- Press button ⑭.
  A dot will appear behind the **4**.
- **Storing the station position**
- Press button ④.

Changing the basic settings

At the factory, the volume, brightness, colour contrast, and black/white contrast have been set to optimum values.
You can change these optimum settings. For example, when you are always watching TV from a great distance, you can set the volume so that it will be **permanently** louder.

- **Permanently changing the volume setting with the buttons on the TV set**
- Press button "+" (⑤) on the TV set = higher volume;
- press button "–" (⑤) on the TV set = lower volume.
- **with the buttons of the remote control**
- Press button ◀ of group of buttons [C] = lower volume;
- press button ▶ of group of buttons [C] = higher volume.
- **Storing the changed value**
  If you wish to **permanently** change the setting of a value (on the TV set or with the remote control), the changed setting **must** be stored.
- Press button ④ on the TV set.
- **Changing the settings for ☼ brightness, ◑ colour contrast, and ◑ black and white contrast**
- **Preselect** the desired function with the repsective button of the group of buttons [I] on the remote control.
  A dot will flash for about 4 seconds in the display ⑨.
- Within this period of time press button ◀ or ▶ of the group of buttons [C] on the remote control to adjust the desired value.
- **Storing the changed value**
- Press button ④ on the TV set.

The changed values are stored and will be obtained again even after having switched off the set.

- **Switching off the TV set**
  If you do not use the set for longer periods of time, switch it off with the mains switch ①.

Specification

Mains voltage:
240 V ~
(control range of the mains section 190-264 V)

Power consumption:
55 Wh

Channel coverage:
Channels 1 ... 99
Special channels S1 .. S41

Sound output:
4 W music power

Dear customer,

Your TV set is prepared to be equipped with a Teletext decoder.

The remote control is already provided with the buttons required for Teletext operation.

If you wish to use this service of the TV stations which is free of charge, please contact your dealer.

This equipment meets the international safety and interference regulations.
If the unit malfunctions, it is essential that you contact your dealer.
Under no cirumstances should you open the unit yourself. The manufacturer accepts no responsibility for damage which occurs under such circumstances.

The X-rays generated in this receiver are adequately screened.
Accelerating voltage 25 kV max.

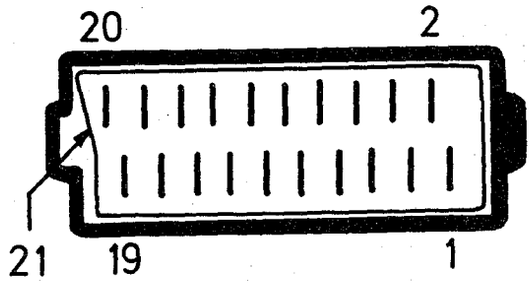
This TV receiver is equipped with a HIGH TECH TUNING system. Through changing the plug-in tuner, your dealer can extend this system without problems for further channels (S21 ... S41).

Due to our policy of continuous development this specification is subject to change without prior notice.

Pins Connections of the EURO-AV Socket

If you wish to connect peripheral equipment (eg: computer, amplifiers system) to your TV set, your dealer will be able to make the correct standard connections using the table below.

Pin		Signal
1	=	Audio output, R.H. (Mono)
2	=	Audio input, R.H. (Mono)
3	=	Audio output, L.H. (Mono)
4	=	Audio chassis return
5	=	Blue chassis return
6	=	Audio input, L.H. (Mono)
7	=	RGB blue input
8	=	Switching voltage
9	=	Green chassis return
10	=	–
11	=	RGB green input
12	=	–
13	=	Red chassis return
14	=	–
15	=	RGB red input
16	=	RGB switching voltage
17	=	Video chassis return
18	=	RGB switching voltage chassis return
19	=	Video output
20	=	Video input
21	=	Screening/chassis return



Subject to alteration
E. and O.E.